



Australian Government  
Department of Industry, Science,  
Energy and Resources

**National  
Measurement  
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval  
NMI S573**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

ALDI Model NEWPOSS Point of Sale (POS) System

submitted by ALDI Stores Australia  
1 Sargents Road  
Minchinbury NSW 2770

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

**DOCUMENT HISTORY**

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	31/07/12
1	Pattern amended (electronic indications) – interim certificate issued	15/07/13
2	Pattern amended (validity date) – interim certificate issued	11/10/13
3	Pattern amended (validity date) – interim certificate issued	24/10/14
4	Pattern amended (validity date) – interim certificate issued	24/06/15
5	Pattern amended (validity date) – interim certificate issued	29/07/15
6	Pattern amended (submitor) & approved – interim certificate issued	22/12/15

Document History (cont...)

Rev	Reason/Details	Date
7	Pattern & variant 1 approved – certificate issued	8/09/16
8	Pattern & variant 1 amended (model NEWPOSS replaces model AS@R) – Variant 2 provisionally approved – certificate issued	22/04/21
9	Variant 2 approved – certificate issued	09/09/21
10	Variant 3 approved – certificate issued	27/09/22

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S573' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS573' may be re-marked 'NMI S573' but only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

### Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



**Alex Winchester**

A/g Manager  
Policy and Regulatory Services

TECHNICAL SCHEDULE No S573

**1. Description of Pattern** **provisionally approved on 31/07/12**  
**approved 22/12/15**  
**amended 22/04/21**

An ALDI model NEWPOSS point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments.

**Note:** The ALDI model NEWPOSS replaces the ALDI model AS@R point of sale systems described in previous revisions of this approval.

**1.1 Key Features**

- The system provides point of sale arrangements for a Datalogic Magellan 9400i self-indicating non-automatic weighing instrument (approval NMI 6/4C/291) or other compatible (#) NMI-approved measuring instruments.
  - The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
  - The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to public.
  - The system is able to apply a pre-set tare up to the maximum capacity of the approved measuring instrument.
  - The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.
- (#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.

**1.2 System Description**

The ALDI NEWPOSS point of sale (POS) system (Figure 1) comprises:

**(i) POS Controller**

The ALDI model NEWPOSS POS controller comprises an NCR model 7607, Diebold Nixdorf Beetle /M-III, or equivalent (\*) PC-based device that operates a Linux operating system running version 1.xx.x.xxxxx or 2.x.xx.xxxxx software. The software version number is printed using an Action Code initiated by a Manager's key or through the touchscreen Manager's menu.

**(ii) Electronic Indications**

Indications shall satisfy the requirements of General Supplementary Certificate No. S1/0/A, *Electronic Indicating and Printing Devices for Measuring Instruments*.

An NCR model 5976 2x20 display or a Diebold Nixdorf BA93 LCD touchscreen, or equivalent (\*) is connected to the POS controller to provide an indication for both the operator and the customer (Figure 2).

- (\*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

### (iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

An NCR model 7197 printer, or Epsom TM-T88VI printer, or equivalent (\*) is connected to the controller to provide a transaction record printing facility. A typical record is shown in Figure 3.

- (\*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

### (iv) Additional System Facilities

In addition, the system may include other facilities including point of sale cash drawers, magnetic card and/or barcode reader and electronic funds transfer (EFT), etc. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity or price.

## 1.3 Verification Provision

Provision is made for the application of a verification mark.

## 1.4 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

Submittor's name or mark	.....
Serial number or other unique identifier	.....
Pattern approval number	NMI S573

## 2. Description of Variant 1

**approved 8/09/16  
amended 22/04/21**

The ALDI model NEWPOSS point of sale system of this variant has replaced the ALDI model AS@R point of sale system of the pattern.

## 3. Description of Variant 2

**provisionally approved 22/04/21  
approved on 09/09/21**

The NEWPOSS software of the POS controller in the pattern is being used in a customer operated self-checkout configuration (Figure 4), with a Diebold Nixdorf BA93 LCD touchscreen display (Figure 5) or equivalent (\*) connected to the POS controller.

Indications shall satisfy the requirements of document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*.

Separate methods are described in the Test Procedure for each variant to display the software version number and remote verification details.

Information additional to that required by document NMI M7, including totalisation details and product images, may also be indicated.

- (\*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

#### **4. Description of Variant 3**

**approved on 27/09/22**

With the customer operated self-checkout configuration described in Variant 2 operating 'Full Integration' software version 1.x.xxx.x. The variant does not operate NEWPOSS software but will query NEWPOSS software operating on a central store server.

## TEST PROCEDURE No S573

The POS system shall be tested in addition to any tests specified in the approval documentation for the measuring instrument/s to which the POS system is connected, as appropriate.

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

The POS system may be tested using the tests below, either:

**A. Local Verification** (in which case a physical verification label shall be applied to the instrument) or

**B. Remote Verification** (in which case the physical verification label is not permitted). Note that remote verification has only been approved for use at certain stores, namely ALDI Supermarkets.

### Maximum Permissible Error

The maximum permissible error for price computation is  $\pm 0.5$  cent.

## TESTS

**A. Local Verification – the following shall be carried out on each POS system at the location where it is being used with the public.**

1. Check the software version number.

### Pattern

- a. Ask a Store Manager to perform the following:
- b. Sign into the POS.
- c. Turn X Key to X and Perform 90 CODE.
- d. The Software Version number is printed on a receipt.
- e. Turn X key back to 1 position and perform 2 CODE.

### ALDI STORES A LIMITED PARTNERSHIP

ABN: 90: 90 196 565 019  
Software Version: 1.xx.x.xxxxx or 2.x.xx.xxxxx  
Compile Date: 22/04/21yy hh:mm xm  
Hash: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
  
\*0000 000/000/000/000 dd.mm.yy hh:mm

### Variant 2

- a. Ask a Store Manager to perform the following:
- b. Sign into Attendant/Manager mode with RFID key.
- c. Select Admin button.
- d. Select POS Software Version button.
- e. Select OK to acknowledge the message.
- f. The Software Version number is printed on a receipt.

<p style="text-align: center;"><b>ALDI STORES</b> <b>A LIMITED PARTNERSHIP</b></p> <p style="text-align: center;">ABN: 90: 90 196 565 019</p> <p>Software Version: 2.x.xx.xxxxx</p> <p>Compile Date: 22/04/21yy hh:mm xm</p> <p>Hash: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</p> <p>*0000 000/000/000/000 dd.mm.yy hh:mm</p>
--

### Variant 3

- a. Ask a Store Manager to perform the following:
  - b. Sign into Attendant/Manager mode with RFID key.
  - c. Select Admin button.
  - d. Select POS Version Number button.
  - e. The Software Version number is displayed on the screen, 1.x.xxx.x.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument.
  3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
  4. Perform a measurement with a pre-set tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
  5. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
  6. Ensure that electronic indications and printed information are in accordance with document NMI M7.

**B. Performing a Remote Verification – the following shall be carried out at the location where remote verifications are performed, for representative hardware configurations, (ALDI Test Store 501099 and 505105 located at Weltraum Pty Ltd, Suite 5, Level 1, 192B Burwood Road, Hawthorn, Victoria, 3122) and on a ‘live’ pilot site (For Pattern, NEWPOSS cashier operated software: ALDI Store 505016 located at 391 – 395 Station Road, Box Hill South, Victoria. 3128. For Variant 2, NEWPOSS customer assisted operated**





- f. Press Enter and turn the "X" key back to the 1 position on the POS keyboard and remove the key.
- g. Sign out of POS if required.

## **Variant 2**

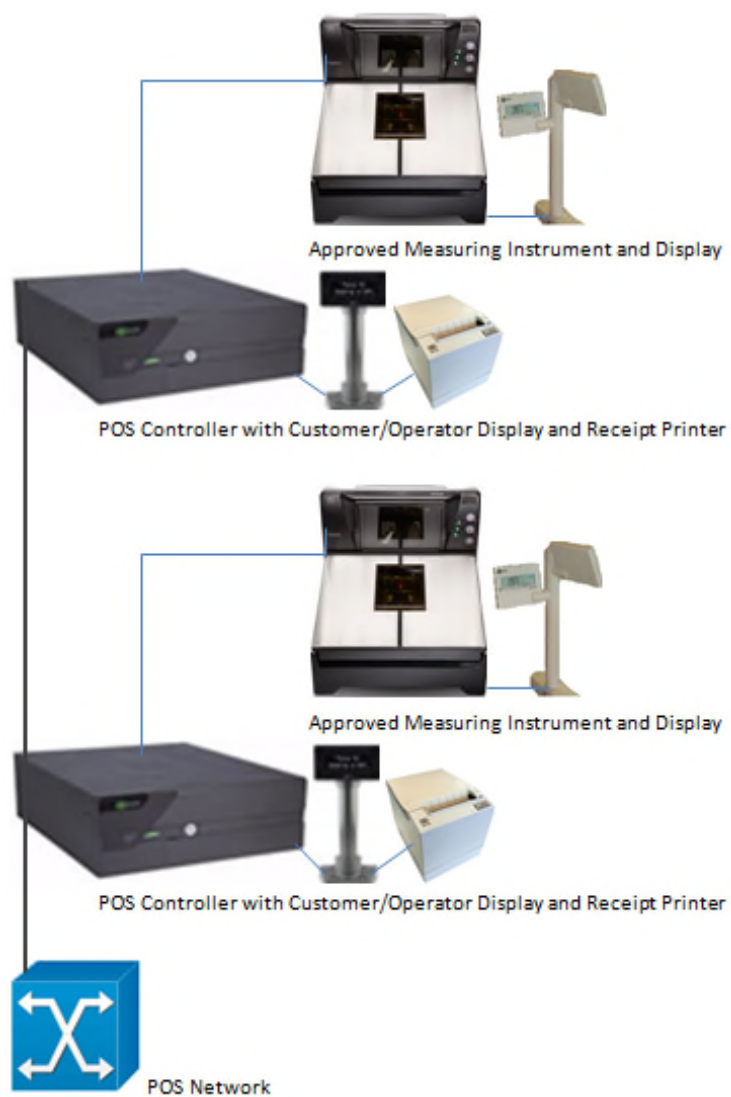
- a. Ask a Store Manager to perform the following:
- b. Sign into Attendant/Manager mode with RFID key.
- c. Select Admin button.
- d. Select POS Remote Verification button (formally Scale Certificate Number).
- e. The submittor's name and this approval number will be displayed on the screen.
- f. Select OK.
- g. The POS serial number and the verification mark will be displayed on the screen.

## **Variant 3**

- a. Ask a Store Manager to perform the following:
- b. Sign into Attendant/Manager mode with RFID key.
- c. Select Admin button.
- d. Select POS Version Number button.
- e. The submittor's name, this approval number and the verification mark will be displayed on the screen.

The serial number of the controller is also displayed but is not used for the unique identification of the controller. The unique identification of the controller can be found inside the front cabinet alongside the NMI data plate information.

FIGURE S573 – 1



ALDI Model NEWPOSS Point of Sale (POS) System

FIGURE S573 – 2



Typical Operator/Customer Display

FIGURE S573 – 3

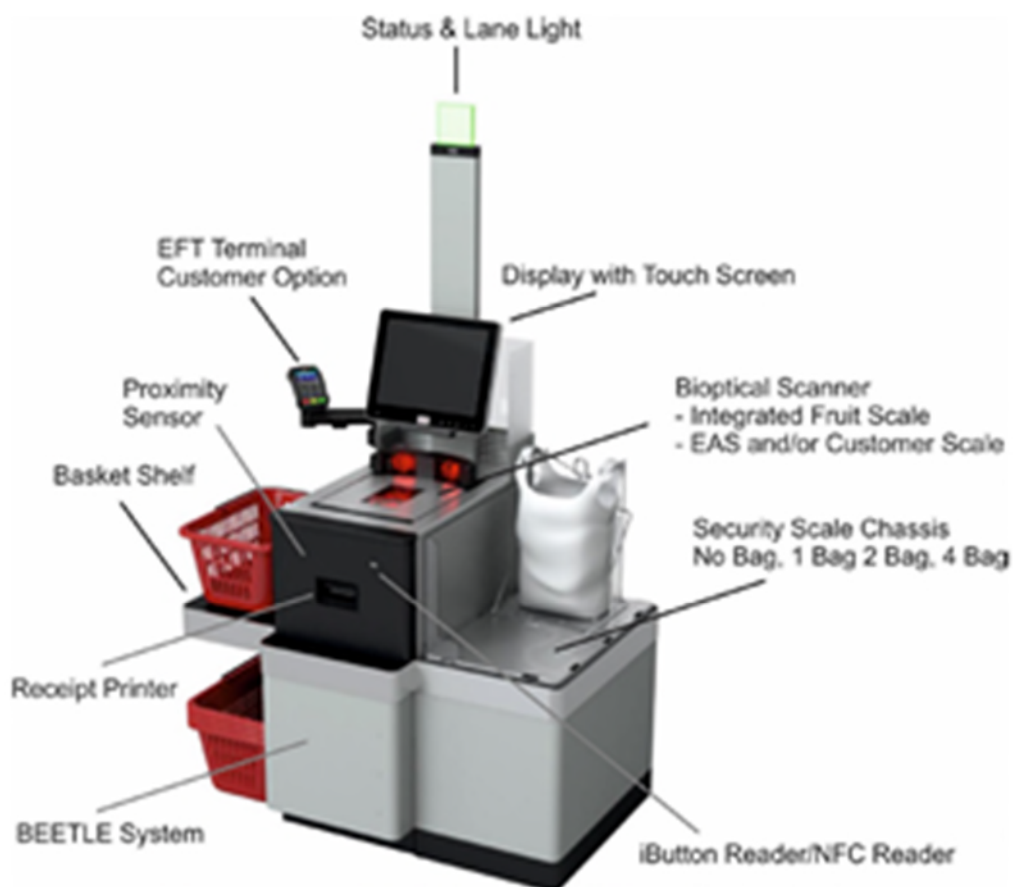
**ALDI STORES**  
A LIMITED PARTNERSHIP  
TEST WELTRAUM  
ABN: 90 196 565 019

TAX INVOICE

	\$	
77166 Continental Cucumber each	1.49	A
76499 Imperial Mandarins per kg	0.98	A
0.550 kg Net @ 1.79 \$/kg		
39901 Leg Ham Half^	20.29	A
3.410 kg Net @ 5.95 \$/kg		
76156 Cherries 325g	17.97	A
Qty 3 @ \$5.99 ea.		
77269 BBQ Flat Mushrooms 375g	3.99	A
SUBTOTAL (INCL GST)	44.72	
Rounding	-0.02	
TOTAL (INCL GST)	\$ 44.70	
CASH	\$ 44.70	
ITEMS	7	
LINE TRANSACTIONS	5	
GST A	00.0%	0.00
NET TOTAL	GST A	44.72
*0049 501/099/003/110 12.08.16 15:11 A-00		
^Manually Entered Weight		
PLEASE KEEP RECEIPT FOR REFUNDS		
THANK YOU FOR SHOPPING AT ALDI VISIT ALDI.COM.AU FOR TRADING HOURS		

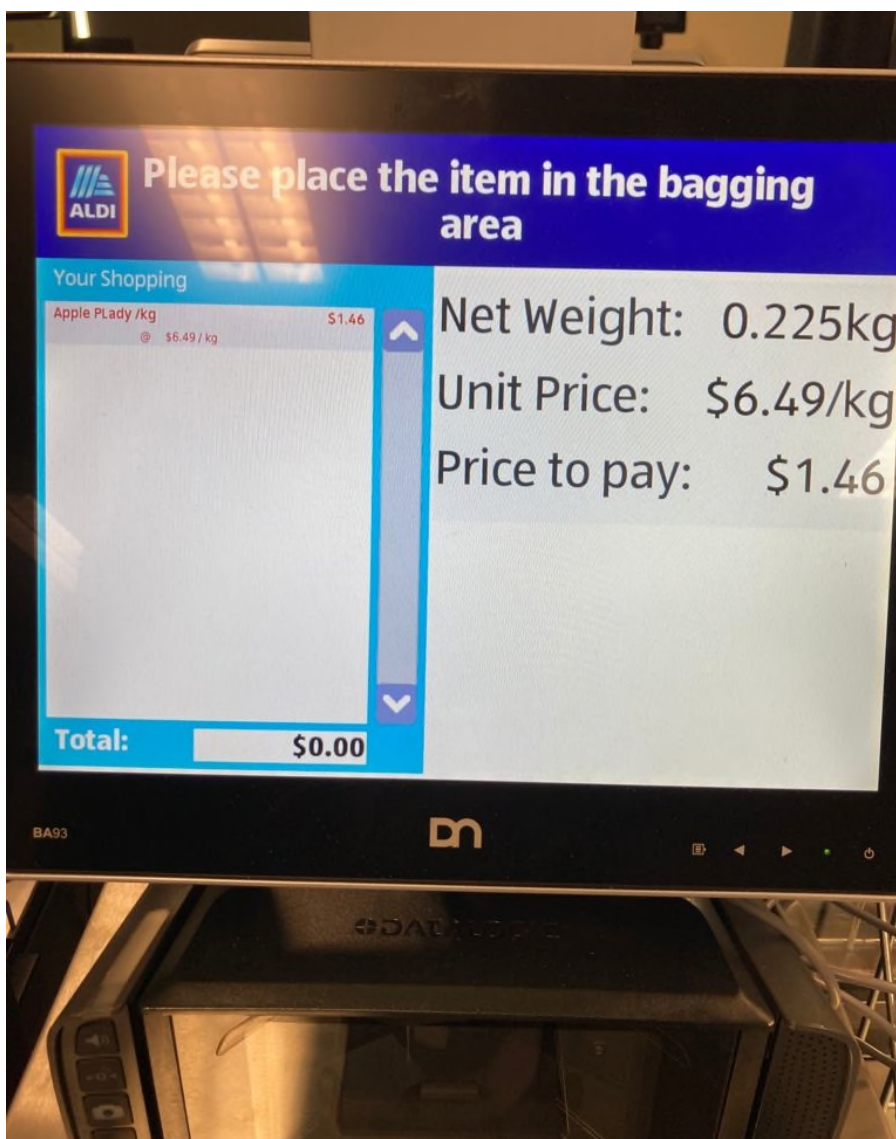
A Typical Receipt

FIGURE S573 – 4



ALDI Point of Sale (POS) System  
Customer operated self-checkout configuration (Variant 2 and 3)

FIGURE S573 – 5



Typical Operator/Customer Display  
Customer operated self-checkout configuration (Variant 2 and 3)

~ End of Document ~